

Qin Li

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,243
citations

218592

26
h-index

189801

50
g-index

51
all docs

51
docs citations

51
times ranked

4910
citing authors

#	ARTICLE	IF	CITATIONS
1	Coaxial electrospinning Fe ₂ O ₃ @Co ₃ O ₄ double-shelled nanotubes for enhanced ethanol sensing performance in a wide humidity range. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161868.	2.8	21
2	Low-Temperature Detection of Sulfur-Hexafluoride Decomposition Products Using Octahedral Co ₃ O ₄ -Modified NiSnO ₃ Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9292-9306.	4.0	10
3	Enhanced Surface Passivation of Lead Sulfide Quantum Dots for Short-Wavelength Photodetectors. <i>Chemistry of Materials</i> , 2022, 34, 5433-5442.	3.2	13
4	A solution processed Sb ₂ S ₃ -based photocathode with enhanced photocatalytic performance <i>via</i> constructing an ultrathin TiO ₂ overlayer and noble metal modification. <i>Sustainable Energy and Fuels</i> , 2021, 5, 855-861.	2.5	8
5	P-Type Cobalt Phosphide Composites (Co ²⁺ /Co ₂ P) Decorated on Titanium Oxide for Enhanced Noble-Metal-Free Photocatalytic H ₂ Evolution Activity. <i>Langmuir</i> , 2021, 37, 3321-3330.	1.6	24
6	Ultrasensitive Sensors Based on PdO@SrFe ₂ O ₄ Nanosphere-Modified Fibers for Real-Time Monitoring of Ethanol Gas. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1732-1746.	2.0	17
7	27 th : Organic Light-Emitting Diodes with Directional Polarized Light Emission. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 345-348.	0.1	0
8	Room temperature monitoring of SF ₆ decomposition byproduct SO ₂ F ₂ based on TiO ₂ /NiSO ₄ composite nanofibers. <i>Nanotechnology</i> , 2021, 32, 305705.	1.3	6
9	Light extraction in tandem organic light emitting diodes. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	6
10	Directional Polarized Light Emission from Thin-Film Light-Emitting Diodes. <i>Advanced Materials</i> , 2021, 33, e2006801.	11.1	35
11	Understanding the Role of Ion Migration in the Operation of Perovskite Light-Emitting Diodes by Transient Measurements. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48845-48853.	4.0	37
12	Two-Step Plasma Treatment Designed for High-Performance Flexible Amorphous ZnAlSnO Thin-Film Transistors Replacing Thermal Annealing. <i>Advanced Electronic Materials</i> , 2020, 6, 2000233.	2.6	16
13	One-step controllable synthesis of amino-modification siloxene for enhanced solar water-splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 205-211.	5.0	7
14	Efficient Energy Funneling in Quasi-2D Perovskites: From Light Emission to Lasing. <i>Advanced Materials</i> , 2020, 32, e1906571.	11.1	134
15	Carbon Sphere Template Derived Hollow Nanostructure for Photocatalysis and Gas Sensing. <i>Nanomaterials</i> , 2020, 10, 378.	1.9	13
16	Enhanced photoelectrochemical water-splitting performance of SrNbO ₂ N photoanodes using flux-assisted synthesis method and surface defect management. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1674-1680.	2.5	10
17	Robust Above-Room-Temperature Ferromagnetism in Few-Layer Antimonene Triggered by Nonmagnetic Adatoms. <i>Advanced Functional Materials</i> , 2019, 29, 1808746.	7.8	38
18	2D Ferromagnetism: Robust Above-Room-Temperature Ferromagnetism in Few-Layer Antimonene Triggered by Nonmagnetic Adatoms (<i>Adv. Funct. Mater.</i> 15/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970099.	7.8	1

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19	Humidity sensor based on mesoporous Al-doped NiO ultralong nanowires with enhanced ethanol sensing performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7121-7134.	1.1	23
20	Hollowsphere Nanoheterojunction of g-C ₃ N ₄ @TiO ₂ with High Visible Light Photocatalytic Property. <i>Langmuir</i> , 2019, 35, 779-786.	1.6	70
21	Surface modification and stoichiometry control of Cu ₂ O/SnO ₂ heterojunction solar cell by an ultrathin MgO tunneling layer. <i>Journal of Alloys and Compounds</i> , 2019, 779, 387-393.	2.8	20
22	Electric-field Control of Dirac Two-Dimensional Electron Gas in PbTe/CdTe Heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800551.	1.2	3
23	A two-step synthesis of microsphere-decorated fibers based on NiO/ZnSnO ₃ composites towards superior ethanol sensitivity performance. <i>Journal of Alloys and Compounds</i> , 2019, 777, 73-83.	2.8	38
24	Electric-field driven insulator-metal transition and tunable magnetoresistance in ZnO thin film. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	5
25	A two-step synthesis of nanosheet-covered fibers based on $\hat{\text{I}}\pm\text{-Fe}_2\text{O}_3/\text{NiO}$ composites towards enhanced acetone sensing. <i>Scientific Reports</i> , 2018, 8, 1705.	1.6	53
26	Extended Light Harvesting with Dual Cu ₂ O-Based Photocathodes for High Efficiency Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1702323.	10.2	93
27	Interfacial study of Cu ₂ O/Ga ₂ O ₃ /AZO/TiO ₂ photocathode for water splitting fabricated by pulsed laser deposition. <i>Catalysis Science and Technology</i> , 2017, 7, 1602-1610.	2.1	26
28	Highly conductive thin films of nonmetal F and B co-doped ZnO on flexible substrates: Experiment and first-principles calculations. <i>Journal of Alloys and Compounds</i> , 2017, 697, 156-160.	2.8	25
29	The crystalline/amorphous contact in Cu ₂ O/Ta ₂ O ₅ heterostructures: increasing its sunlight-driven overall water splitting efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2732-2738.	5.2	41
30	Effective Formation of Oxygen Vacancies in Black TiO ₂ Nanostructures with Efficient Solar-Driven Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8982-8987.	3.2	131
31	Synthesis of Co ₃ O ₄ /Ta ₂ O ₅ heterostructure hollow nanospheres for enhanced room temperature ethanol gas sensor. <i>Journal of Alloys and Compounds</i> , 2017, 727, 436-443.	2.8	21
32	Controllable synthesis of Co ₃ O ₄ crossed nanosheet arrays toward an acetone gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1052-1059.	4.0	98
33	A Water-Proof Triboelectric-Electromagnetic Hybrid Generator for Energy Harvesting in Harsh Environments. <i>Advanced Energy Materials</i> , 2016, 6, 1501593.	10.2	243
34	Fabrication of Fe ₂ TiO ₅ /TiO ₂ nanoheterostructures with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 45343-45348.	1.7	38
35	Self-powered textile for wearable electronics by hybridizing fiber-shaped nanogenerators, solar cells, and supercapacitors. <i>Science Advances</i> , 2016, 2, e1600097.	4.7	705
36	Interfacial effect on Mn-doped TiO ₂ nanoparticles: from paramagnetism to ferromagnetism. <i>RSC Advances</i> , 2016, 6, 57403-57408.	1.7	18

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37	Harvesting Broad Frequency Band Blue Energy by a Triboelectric-Electromagnetic Hybrid Nanogenerator. ACS Nano, 2016, 10, 6526-6534.	7.3	244
38	Ultrahigh efficient water oxidation under visible light: Using Fe dopants to integrate nanostructure and cocatalyst in LaTiO ₂ N system. Nano Energy, 2016, 19, 437-445.	8.2	17
39	Acceptor defect-participating magnetic exchange in ZnO:Cu nanocrystalline film: defect structure evolution, Cu-N synergetic role and magnetic control. Journal of Materials Chemistry C, 2015, 3, 1330-1346.	2.7	28
40	Blow-driven triboelectric nanogenerator as an active alcohol breath analyzer. Nano Energy, 2015, 16, 38-46.	8.2	255
41	Gas sensors based on ultrathin porous Co ₃ O ₄ nanosheets to detect acetone at low temperature. RSC Advances, 2015, 5, 59976-59982.	1.7	96
42	Preparation of ZnFe ₂ O ₄ nanostructures and highly efficient visible-light-driven hydrogen generation with the assistance of nanoheterostructures. Journal of Materials Chemistry A, 2015, 3, 8353-8360.	5.2	135
43	Interaction of H and F atoms-Origin of the high conductive stability of hydrogen-incorporated F-doped ZnO thin films. Thin Solid Films, 2015, 589, 85-89.	0.8	6
44	Synthesis of TiO ₂ decorated Co ₃ O ₄ acicular nanowire arrays and their application as an ethanol sensor. Journal of Materials Chemistry A, 2015, 3, 2794-2801.	5.2	73
45	A new type of hybrid nanostructure: complete photo-generated carrier separation and ultrahigh photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 14245-14250.	5.2	36
46	A new type of p-type NiO/n-type ZnO nano-heterojunctions with enhanced photocatalytic activity. RSC Advances, 2014, 4, 34649.	1.7	30
47	Highly transparent conductive F-doped ZnO films in wide range of visible and near infrared wavelength deposited on polycarbonate substrates. Journal of Alloys and Compounds, 2014, 614, 71-74.	2.8	30
48	ZnO/TiO ₂ core-shell nanowire arrays for enhanced dye-sensitized solar cell efficiency. Applied Physics A: Materials Science and Processing, 2013, 113, 67-73.	1.1	24
49	Origin of highly stable conductivity of H plasma exposed ZnO films. Physical Chemistry Chemical Physics, 2013, 15, 17763.	1.3	15
50	A facile fluorine-mediated hydrothermal route to controlled synthesis of rhombus-shaped Co ₃ O ₄ nanorod arrays and their application in gas sensing. Journal of Materials Chemistry A, 2013, 1, 7511.	5.2	91
51	Highly transparent and conducting fluorine-doped ZnO thin films prepared by pulsed laser deposition. Solar Energy Materials and Solar Cells, 2011, 95, 894-898.	3.0	116